EMU

JOURNAL OF THE ROYAL AUSTRALASIAN ORNITHOLOGISTS UNION

VOLUME 91

DATES OF ISSUE

Part 1	March 1991	Part 3	September 1991
Part 2	June 1991	Part 4	December 1991
Part 5 (Supplement)	April 1992		

CONTENTS

	Page
Contents	ii-v
RAOU Officers	vi-viii

VOLUME 91 • PART 1 • MARCH 1991

N.S. Clayton, D. Hodson and R.A. Zann
Geographic variation in Zebra Finch species 2

Alan B. Bond, Kerry-Jane Wilson and Judy Diamond
Sexual dimorphism in the Kea *Nestor notabilis* 12

P.K. Dyer and G.J.E. Hill
A solution to the problem of determining the occupancy status of
Wedge-tailed Shearwater *Puffinus pacificus* burrows 20

Peter J. Whitehead and Kurt Tschirner
Patterns of egg laying and variation in egg size in the Magpie Goose
Anseranas semipalmata: evidence for intra-specific nest parasitism 26

N.J. Klomp and R.D. Wooller
Patterns of arrival and departure by breeding Little Penguins at Penguin Island, Western Australia 32

Penelope J. Slater
The response of Silvereyes to individual variation in their territorial song 36

Kim W. Lowe and Geraldine C. Richards
Morphological variation in the Sacred Ibis *Threskiornis aethiopicus* superspecies complex 41

Leo Joseph, W.B. Emison and W.M. Bren
Critical assessment of the conservation status of Red-tailed Black-Cockatoos in
south-eastern Australia with special reference to nesting requirements 46

Short Communications

Leo Joseph The identities of two clutches of calyptorhynchid eggs from western Victoria 51

Hugh A. Ford Coping with an erratic nectar source –
Eastern Spinebills *Acanthorhynchus tenuirostris* at New England National Park 53

K.C. Richardson The bony casque of the Southern Cassowary *Casuarius casuarius* 56

William J. Maher Growth and development of the Yellow-bellied Sunbird
Nectarinia jugularis in north Queensland 58

F. Norman Robinson Phatic communication in bird song 61

S.J.M. Blaber and D.A. Milton A note on habitat decline and the status of the
Spotted Button-quail *Turnix maculosa salomonis* on Guadalcanal, Solomon Islands 64

Obituary

G.M. Storr 66

Book reviews 67

VOLUME 91 • PART 2 • JUNE 1991

C.R. Dickman, S.E.J. Daly and G.W. Connell
Dietary relationships of the Barn Owl and Australian Kestrel on islands off the coast of Western Australia 69

Richard A. Noske
A demographic comparison of cooperatively breeding and non-cooperative treecreepers (Climacteridae) 73

G.T. Smith and L.A. Moore
Foods of Corellas *Cacatua pastinator* in Western Australia 87

M.K. Tarburton
Breeding biology of Fairy Martins at Murwillumbah 93

Pauline Reilly
The effect of wildfire on bird populations in a Victorian coastal habitat 100

Richard Zann and Maurizio Rossetto
Zebra Finch incubation: brood patch, egg temperature and thermal properties in the nest 107

Short Communications

Robert F. Baird The Dingo as a possible factor in the disappearance of *Gallinula mortierii* from the Australian mainland 121

B.R. King and D.S. Reimer Breeding and behaviour of the Herald Petrel *Pterodroma arminjoniana* on Raine Island, Queensland 122

Martin L. Cody Honeyeater plucks Koala for nest material 125

P.J.B. Slater and N.S. Clayton Domestication and song learning in Zebra Finches *Taeniopygia guttata* 126

Citation: RAOU Fellow

Norman Chaffer OAM 129

Citation: D.L. Serventy Medal

Ian Cecil Robert Rowley 130

Book reviews 131

VOLUME 91 • PART 3 • SEPTEMBER 1991

Richard Schodde and Ian J. Mason
Subspeciation in the Western Whipbird *Psophodes nigrogularis* and its zoogeographical significance, with descriptions of two new subspecies 133

G.T. Smith
Ecology of the Western Whipbird *Psophodes nigrogularis* in Western Australia 145

Bradley C. Congdon
Parent-Offspring recognition in the Black Noddy *Anous minutus* 158

Aldo Poiani
Anti-predator behaviour in the Bell Miner *Manorina melanophrys* 164

B. Lequette and P. Jouventin
The dance of the Wandering Albatross II: Acoustic Signals 172

Peter Dann
Feeding behaviour and diet of Double-banded Plovers *Charadrius bicinctus* in Western Port, Victoria 179

Short Communications

Stephen T. Garnett, Arnold C. Williams, Robert W.H. Hindmarsh and Natalie L. Hindmarsh
Island colonisation after possible reconnaisance by the Yellow-bellied Sunbird *Nectarinia jugularis* 185

R.J. Taylor and N.J. Mooney Increased mortality of birds on an elevated section of highway in northern Tasmania 186

F.W. Shaw Mayor and W.S. Peckover Eggs of hybrid Shaw Mayer's Bird of Paradise: The Ribbontail *Astrapia mayeri x* ? 189

N.I. Klomp, C.E. Meathrel, B.C. Wienecke and R.D. Wooller Surface nesting by Little Penguins on Penguin Island, Western Australia 190

Obituary

J.N. Hobbs 194

Book reviews 195

VOLUME 91 • PART 4 • DECEMBER 1991

Ian Rowley, Michael Brooker and Eleanor Russell
The breeding biology of the Splendid Fairy-wren *Malurus splendens*: the significance of multiple broods 197

A. Pople, S.C. Cairns and G.C. Grigg
Distribution and abundance of Emus *Dromaius novaehollandiae* in relation to the environment in the South Australian pastoral zone 222

S.V. Briggs
Intraspecific nest parasitism in Maned Ducks *Chenonetta jubata* 230

Richard E. Major
Breeding biology of the White-fronted Chat *Ephthianura albifrons* in a saltmarsh near Melbourne 236

Short Communications

David J. Phillips, Penny D. Olsen, D.C.F. Rentz and J. Lawrence Observations on the diet of the Christmas Island Hawk-Owl *Ninox squamipila natalis* 250

J.R. Ford and R.E. Johnstone Hybridisation between *Malurus lamberti rogersi* and *Malurus lamberti assimilis* in north-western Australia 251

Tim Stone Megapode mounds and archaeology in northern Australia 255

David Ball A high incidence of bent beaks in nesting Pied Cormorants 256

Obituary

Norman Joseph Favaloro 258

VOLUME 91 • PART 5 • APRIL 1992

G. Newman
Studies on the Little Penguin *Eudyptula minor* in Victoria: an introduction **261**

Peter Dann
Distribution, population trends and factors influencing the population size of Little Penguins *Eudyptula minor* on Phillip Island, Victoria **263**

K.E. Harrigan
Causes of mortality of Little Penguins *Eudyptula minor* in Victoria **273**

Peter Dann, J.M. Cullen, R. Thoday and R. Jessop
Movements and patterns of mortality at sea of Little Penguins *Eudyptula minor* from Phillip Island, Victoria **278**

F.I. Norman
Counts of Little Penguins *Eudyptula minor* in Port Phillip Bay and off southern Phillip Island, Victoria, 1986–1988 **287**

Brian W. Weavers
Seasonal foraging ranges and travels at sea of Little Penguins *Eudyptula minor*, determined by radiotracking **302**

J.M. Cullen, T.L. Montague and C. Hull
Food of Little Penguins *Eudyptula minor* in Victoria: comparison of three localities between 1985 and 1988 **318**

D.K. Hobday
Abundance and distribution of Pilchard and Australian Anchovy as prey species for the Little Penguin *Eudyptula minor* at Phillip Island, Victoria **342**

M.J. Mickelson, P. Dann and J.M. Cullen
Sea temperature in Bass Strait and breeding success of the Little Penguin *Eudyptula minor* at Phillip Island, south-eastern Australia **355**

F.I. Norman, P.B. Du Guesclin and P. Dann
The 1986 'wreck' of Little Penguins *Eudyptula minor* in western Victoria **369**

F.I. Norman
Distribution and abundance of seabirds off Phillip Island and within Port Phillip Bay, Victoria, 1986–1988 **377**

C.F. Gibbs
Oceanography of Bass Strait: implications for the food supply of Little Penguins *Eudyptula minor* **395**

F.I. Norman, J.M. Cullen and P. Dann
Little Penguins *Eudyptula minor* in Victoria: past, present and future **402**

Royal Australasian Ornithologists Union

Founded 1901

Patron:	His Royal Highness, the Duke of Edinburgh, K.G., K.T.
President:	B.G. Collins, B.Sc., Dip.Ed., M.Sc., Ph.D., F.I.Biol. Elected 1989
Vice-President:	C.D.T. Minton, Ph.D. Elected 1989
Treasurer:	C.J.S. Morris, Master Mariner. Elected 1990
Secretary:	B. Gillies, B.A. Elected 1990
Editor:	I.C.R. Rowley, B.Agr.Sc. Elected 1990
Director:	P.J. Moors, Ph.D. Appointed 1989
Council:	The Officers (as above) K.W. Lowe, Ph.D. Elected 1990 R.H. Loyn, M.A. Elected 1988 M. Maddock, Ph.D., F.A.C.E. Elected 1990 B. Wilson, C.B.E. Elected 1990
Editorial Board:	The Editor The Assistant Editors H.A. Ford, Ph.D. R.H. Loyn, M.A. J. Kikkawa, D.Sc. K.G. Rogers, B.Sc. (Hons.) S.J.J.F. Davies, Sc.D. D.A. Saunders, Ph.D.
Assistant Editors:	S.J.M. Blaber, Ph.D.; M.G. Brooker, M.Sc.Agr.; C.P. Catterall, Ph.D.; E.M. Russell, Sc.D.
Production Editor:	A. Pecze, B.Sc.
Review Editor:	P. Dann, B.Sc. (Hons)
Recent Literature Editor:	H.A. Ford, Ph.D.
Sound Review Editor:	P.J. Fullagar, Ph.D.

OFFICERS PAST AND PRESENT

PRESIDENTS

1901–03 Col. William Vincent Legge
1903–05 Capt. Frederick Wollaston Hutton
1905–07 Dr Charles Snodgrass Ryan
1907–09 William Henry Dudley Le Souëf
1909–11 Archibald James Campbell
1911–12 John White Mellor
1912–13 Robert Hall
1913–14 Arthur Herbert Evelyn Mattingley
1914–16 Capt. Samuel Albert White
1916–18 Dr William David Kerr Macgillivray
1918 -20 Arthur Francis Basset Hull
1920–22 Charles Ashmale Barnard
1922–24 Dr John Albert Leach
1924–25 John Alexander Ross
1925–27 Edwin Ashby
1927–28 Dr Ernest Arthur Ombrain
1928–29 Archibald James Campbell
1929–30 Ernest Albert Le Souëf
1930–31 Dr Arthur Chenery
1931–32 Clive Errol Lord
1932–33 Mrs Perrine Moncrieff
1933–34 Frederic Lee Berney
1934–35 Archibald George Campbell
1935–36 Prof. John Burton Cleland
1936–37 Neville William Cayley
1937–38 Arthur Larchin Butler
1938–39 John Neil Mcgilp
1939–40 Alexander Hugh Chisholm
1940–41 George Herbert Barker
1941–43 Maj. Hubert Massey Whittell
1943–44 Dr Walter Reginald Brook Oliver
1944–46 Keith Alfred Hindwood
1946–47 Gregory Macalister Mathews
1947–49 Dr Dominic Louis Serventy
1949–51 Michael Stanley Reid Sharland
1951–52 Dr Robert Alexander Falla
1952–54 Norman Joseph Favaloro
1954–55 Norman Chaffer
1955–57 Charles Ernest William Bryant
1957–58 Ernest Silverton Hanks
1958–59 Arnold Robert Mcgill
1959–60 Raymond Trewolla Littlejohns
1960–61 Roy Percy Cooper
1961–62 Herbert Thomas Condon
1962–63 Warren Billingsley Hitchcock
1963–64 Dr James Allen Keast
1964–65 Wilson Roy Wheeler
1965–66 Gordon Binns
1966–67 Dr Allan Harding Lendon
1967–69 Allan Reginald Mcevey
1969–72 Dr Arthur Graham Brown
1972–75 Mrs Pauline Neura Reilly
1975–78 Dr Stephen John James Frank Davies
1978–83 Dr Henry Norman Burgess Wettenhall
1983–85 Dr Douglas D. Dow
1986–89 Margaret A. Cameron
1989– Dr Brian Gordon Collins

SECRETARIES

1901–04 William Henry Dudley Le Souëf
1904–08 Arthur Herbert Evelyn Mattingley
1908 Dr Edward Dunham Brooke Nicholls
1908–09 Gerald Freer Hill
1909 Arthur Herbert Evelyn Mattingley
1910–11 Maj. Herbert Ward Wilson
1911 Alexander William Milligan
1911 Arthur Herbert Evelyn Mattingley
1911–13 Francis Erasmus Wilson
1913–14 Alfred Charles Stone
1914–15 George Findlay
1915–20 William Henry Dudley Le Souëf
1920–21 George Findlay
1921–23 Zachariah Gray
1923–24 John Cross
1924–51 Dudley John Dickison
1952–53 Warren Billingsley Hitchcock
1953–56 Gordon Binns
1956–59 Frederick Hayden Maxwell Everett
1959–63 Gordon Binns
1963–68 Thomas Ianson Gellibrand
1968–69 Harvey William John Dickison
1969–72 Mrs Rosemary Anne Balmford
1972–74 Dr David Edward Peters

1974–80	Thomas Ronald Garnett
1980–84	Sidney John Cowling
1984–85	William B. Emison
1986–88	Barry J. Kentish
1988–	Belinda Gillies

TREASURERS

1901–03	Robert Hall
1903–04	Arthur Herbert Evelyn Mattingley
1904–05	Frederick Polwhele Godfrey
1905–06	Dr Edward Dunham Brooke Nicholls
1906–11	John Alexander Ross
1911–21	Zachariah Gray
1921–23	Dr Edward Dunham Brooke Nicholls
1923–26	Zachariah Gray
1926	Edgar Wilson Bunn
1926–35	Zachariah Gray
1935	George Mack
1935–41	Rev. Clarence Leslie Lang
1941–50	Aubrey Stubbing Chalk
1950–51	Herbert Frederick Clinton
1951–52	Ronald Ferguson
1952–53	John Alexander Mcveigh
1953–54	Alfred Lawrence Keep
1954–56	Howard Ernest Alfred Jarman
1956–59	Ewen Cameron Souter
1960–61	Marcus Dennis Gottsch
1961–63	James David Watson
1963	Alexander Francis Stewart
1963–64	James David Watson
1965–68	Norman Joseph Favaloro
1969–75	Charles Noel Gove
1975–85	Andrew Ian Sinclair
1986	David L. Lewis
1987–	Christopher J.E. Morris

EDITORS

1901–04	Archibald James Campbell Henry Kendall
1904–06	Archibald James Campbell Charles Frederick Belcher
1906–07	Charles Frederick Belcher Archibald George Campbell
1907–08	Archibald James Campbell Archibald George Campbell
1908–09	Archibald James Campbell Scott Morrison
1909–14	Archibald James Campbell Charles Leslie Barrett
1914–16	John Albert Leach Charles Leslie Barrett
1916–24	John Albert Leach
1924–26	Wilfred Backhouse Alexander
1926–28	Alexander Hugh Chisholm
1929–60	Charles Ernest William Bryant
1960–62	Roy Percy Cooper
1962–65	Warren Billingsley Hitchcock
1965–68	Jack Hyett
1968–81	Stephen Marchant
1981–85	Dr Hugh Alastair Ford
1985–88	Dr Edmund Wyndham
1988–90	Dr Peter Frederick Woodall
1990–	Ian Cecil Robert Rowley

D.L. SERVENTY MEDAL

Ian Cecil Robert Rowley	25 May 1991